

To: Jan Christner[jan.christner@gmail.com]; Petri, Elliott[Elliott.Petri@WestonSolutions.com]
From: Way, Steven
Sent: Wed 4/8/2015 4:32:18 PM
Subject: FW: R n B - RST data logger and piezometer (canada) - Follow up information
[vw-piezometer-datasheet.pdf](#)

Here is some additional clarification of the requirements for this equipment. One point is that the max psi requirement is 500 and not 600 psi

Also, I want to look into what Telemetry we could use to send the data to our web-viewer site for the Upper Animas.

Thanks

Steven Way

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From: Sorrenson - DNR, Allen [mailto:allen.sorenson@state.co.us]
Sent: Wednesday, April 08, 2015 10:10 AM
To: Way, Steven
Subject: Re: R n B - RST data logger and piezometer (canada)

Steve, I couldn't help myself. See the attached vibrating wire data sheet from slope indicator. What we need is the Heavy Duty VW Piezometer, 500 psi, with the Armored Signal Cable. In my previous email, I had stated that we needed a 600 psi range, but it looks like slope indicator

doesn't have that (RST out of Canada does), but since the max pressure from head to Lake Emma is 543 psi, the 500 psi instrument will be fine. If pressure at RnB bulkhead approaches 500 psi, which it won't, the valve would probably have to be opened anyway.

What I'd like to have START research is what we'll need from slope indicator in terms of data loggers, interface modules, multiplexers, power supplies, etc. to retrieve piezometer data at the portal. The reason I want multi-channel capability even though there is initially just one piezometer, is if we want to install a weir to monitoring residual flow, if any, from the mine, or any other monitoring instruments, like crack meters, in the future.

I'm in for the ARSG meeting in Silverton May 26 and/or 27, and can go to Rico after that. We do need to decide if we want to continue the investigation in the Argentine Tunnel this year and do any of the other work described in the memo I sent you the other day.

On Wed, Apr 8, 2015 at 7:39 AM, Way, Steven <way.steven@epa.gov> wrote: